

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1647SXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web  
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates  
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update  
frequency  
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02  
NEWS 6 Mar 08 Gene Names now available in BIOSIS  
NEWS 7 Mar 22 TOXLIT no longer available  
NEWS 8 Mar 22 TRCTHERMO no longer available  
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS  
and USPATFULL  
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY  
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.  
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 14 Apr 09 ZDB will be removed from STN  
  
NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 19:46:27 ON 18 APR 2002

=> FILE .IPA

'IPA' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'HOME'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> FILE IPA  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	0.42	0.42

FILE 'IPA' ENTERED AT 19:47:45 ON 18 APR 2002  
COPYRIGHT (C) 2002 American Society of Hospital Pharmacists (ASHP)

FILE COVERS 1970 TO 12 APR 2002 (20020412/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> S DETH  
L1 0 DETH

=> S METHYL AND DONATION AND PHOSPHOLIPID  
3718 METHYL  
57 DONATION  
459 PHOSPHOLIPID  
L2 0 METHYL AND DONATION AND PHOSPHOLIPID

=> S DOPAMINE  
L3 1287 DOPAMINE

=> S L3 AND D4  
38 D4  
L4 5 L3 AND D4

=> D 1

L4 ANSWER 1 OF 5 IPA COPYRIGHT 2002 ASHP

AN 2001:8265 IPA  
DN 38-08265  
TI Synthesis and binding studies on a new series of arylpiperazino  
benzazol-2-one and benzoxazin-3-one derivatives as selective D4  
ligands  
AU Carato, P.; Depreux, P.; Lesieur, D.; Millan, M.; Caignard, D. H.; et al  
CS Inst. de Chimie Pharmaceutique Charles Lespagnol, 3 rue du Professeur  
Laguesse, F-59006 Lille, France Internet: pdepreux@phare.univ-lille2.fr  
SO Drug Design and Discovery (Switzerland), (2000) Vol. 17, pp. 173-181.  
CODEN: DDDIEV; ISSN: 1055-9612.  
DT Journal  
LA English

=> D 2

L4 ANSWER 2 OF 5 IPA COPYRIGHT 2002 ASHP

AN 2000:12004 IPA  
DN 37-12005  
TI Dopamine D4 receptor: controversial therapeutic target  
AU Hrib, H. J.  
CS Dept. of Med. Chem., Aventis Pharm., Route 202-206 North, Bridgewater, NJ  
08807, USA  
SO Drugs of the Future (Spain), (Jun 2000) Vol. 25, pp. 587-611. 219 Refs.  
CODEN: DRFUD4; ISSN: 0377-8282.  
DT Journal  
FS HUMAN  
LA English

=> D 3

L4 ANSWER 3 OF 5 IPA COPYRIGHT 2002 ASHP

AN 96:9855 IPA

DN 34-06124

TI Identification of certain sequences in the 3rd cytoplasmic loop of  
**D4 dopamine** receptor that suppress the bacterial  
expression

AU Cheong, J. S.; Kim, A. Y.; Kim, K. M.

CS Pharmacol. Lab., Coll. of Pharm., Chonnam Natl. Univ., Kwang-Ju, 500-757  
Korea

SO Archives of Pharmacal Research (Korea), (1996) Vol. 19, pp. 275-279.  
CODEN: APHRDQ; ISSN: 0253-6269.

DT Journal

LA English

=> D 4

L4 ANSWER 4 OF 5 IPA COPYRIGHT 2002 ASHP

AN 96:2417 IPA

DN 33-11807

TI Importance of **dopamine D4** receptors in the action and  
development of antipsychotic agents

AU Reynolds, G. P.

CS Dept. of Biomed. Sci., Univ. of Sheffield, Sheffield S10 2TN, England

SO Drugs (New Zealand), (Jan 1996) Vol. 51, pp. 7-11. 35 Refs.

CODEN: DRUGAY; ISSN: 0012-6667.

DT Journal

LA English

=> D 5

L4 ANSWER 5 OF 5 IPA COPYRIGHT 2002 ASHP

AN 94:8371 IPA

DN 32-04473

TI Pharmacogenetic variability in brain and muscle

AU Kalow, W.

CS Dept. of Pharmacol., Med. Sci. Bldg., Univ. of Toronto, Toronto, Ontario,  
Canada M5S 1A8

SO Journal of Pharmacy and Pharmacology (England), (1994) Vol. 46, pp.  
425-432. 64 Refs.

CODEN: JPPMAB; ISSN: 0373-1022.

DT General Review

LA English

=> FILE ANABSTR

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

10.00

10.42

FILE 'ANABSTR' ENTERED AT 19:50:13 ON 18 APR 2002

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FILE LAST UPDATED: 15 APR 2002

<20020415/UP>

FILE COVERS 1980 TO DATE.

=> S DOPAMINE

L5 1104 DOPAMINE

=> S L5 AND D4

129 D4

L6 5 L5 AND D4

=> D 1

L6 ANSWER 1 OF 5 ANABSTR COPYRIGHT 2002 RSC

AN 64(18):F217 ANABSTR

TI Analysis of **dopamine D4** receptor gene polymorphism  
using microchip electrophoresis.

AU Barta, C.; Ronai, Z.; Nemoda, Z.; Szekely, A.; Kovacs, E.;  
Sasvari-Szekely, M.; Guttman, A.\* (Torrey Mesa Res. Inst., La Jolla, CA  
92121, USA)

SO J. Chromatogr., A (2001) 924(1-2), 285-290

CODEN: JCRAEY ISSN: 0021-9673

(Presented at the 14th International Symposium on Microscale Separations  
and Analysis (HPCE'01), held in Boston, MA, USA, 13-18 Jan 2001)

DT Journal

LA English

=> D 2

L6 ANSWER 2 OF 5 ANABSTR COPYRIGHT 2002 RSC

AN 62(9):G10237 ANABSTR

TI High-performance liquid chromatographic analysis of the D4  
receptor antagonist Sch 66712 in rat plasma.

AU Kim, H.; Schuessler, D. G.; Bach, C. A.; Lin, C. C.; Nomeir, A. A. (Dept.  
Drug Metab. And Pharm., Schering-Plough Res. Inst., Kenilworth, NJ 07033,  
USA)

SO J. Chromatogr., B: Biomed. Appl. (1999) 735(1), 11-16

CODEN: JCBEP ISSN: 0378-4347

DT Journal

LA English

=> D 3

L6 ANSWER 3 OF 5 ANABSTR COPYRIGHT 2002 RSC

AN 61(6):F183 ANABSTR

TI Ultra-thin-layer agarose gel electrophoresis. 1. Effect of the gel  
concentration and temperature on the separation of DNA fragments.

AU Szoke, M.; Sasvari-Szekely, M.; Guttman, A. (Genetic BioSystems, San  
Diego, CA 92121, USA)

SO J. Chromatogr., A (1999) 830(2), 465-471

CODEN: JCRAEY ISSN: 0021-9673

DT Journal

LA English

=> D 4

L6 ANSWER 4 OF 5 ANABSTR COPYRIGHT 2002 RSC

AN 60(8):G18 ANABSTR

TI Sample pooling to expedite bioanalysis and pharmacokinetic research.

AU Kuo, B.-S.; Van Noord, T.; Feng, M. R.; Wright, D. S. (Dept  
Pharmacokinetics and Drug Metabolism, Parke-Davis Pharm. Res.,  
Warner-Lambert Co., Ann Arbor, MI 48105, USA)

SO J. Pharm. Biomed. Anal. (1998) 16(5), 837-846

CODEN: JPBADA ISSN: 0731-7085

DT Journal

LA English

=> D 5

L6 ANSWER 5 OF 5 ANABSTR COPYRIGHT 2002 RSC  
AN 59(7):G79 ANABSTR  
TI Picogram determination of a novel **dopamine D4** receptor  
antagonist in human plasma and urine by liquid chromatography with  
atmospheric-pressure chemical-ionization tandem mass spectrometry.  
AU Chavez-Eng, C. M.; Constanzer, M. L.; Matuszewski, B. K. (Merck Res. Lab.,  
West Point, PA 19486, USA)  
SO J. Chromatogr., B: Biomed. Appl. (1997) 691(1), 77-85  
CODEN: JCBBEP ISSN: 0378-4347  
DT Journal  
LA English

=> FILE .CANCER

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

24.13

34.55

FILE 'CANCERLIT' ENTERED AT 19:52:30 ON 18 APR 2002

FILE 'CAPLUS' ENTERED AT 19:52:30 ON 18 APR 2002

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'EMBASE' ENTERED AT 19:52:30 ON 18 APR 2002

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FILE 'BIOSIS' ENTERED AT 19:52:30 ON 18 APR 2002

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=> S DOPAMINE

L7 256008 DOPAMINE

=> S L7 AND D4

L8 2746 L7 AND D4

=> DUP REM L8

PROCESSING IS APPROXIMATELY 65% COMPLETE FOR L8

PROCESSING COMPLETED FOR L8

L9 1636 DUP REM L8 (1110 DUPLICATES REMOVED)

=> S L9 AND PHOSPHOLIPID

L10 13 L9 AND PHOSPHOLIPID

=> D 1

L10 ANSWER 1 OF 13 CANCERLIT

AN 1999321136 CANCERLIT

DN 99321136

TI **D4 dopamine** receptor-mediated **phospholipid**  
methylation and its implications for mental illnesses such as  
schizophrenia.

AU Sharma A; Kramer M L; Wick P F; Liu D; Chari S; Shim S; Tan W; Ouellette  
D; Nagata M; DuRand C J; Kotb M; Deth R C

CS Department of Pharmaceutical Sciences, Northeastern University, Boston,  
Massachusetts 02115, USA.

SO MOLECULAR PSYCHIATRY, (1999). Vol. 4, No. 3, pp. 235-46.  
Journal code: CUM. ISSN: 1359-4184.

DT Journal; Article; (JOURNAL ARTICLE)  
FS MEDL; L; Priority Journals  
LA English  
OS MEDLINE 99321136  
EM 199910

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.50	45.05

FILE 'STNGUIDE' ENTERED AT 19:57:44 ON 18 APR 2002  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE  
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Apr 12, 2002 (20020412/UP).

=> FIL MEDLINE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	45.11

FILE 'MEDLINE' ENTERED AT 19:58:36 ON 18 APR 2002

FILE LAST UPDATED: 18 APR 2002 (20020418/UP). FILE COVERS 1958 TO DATE.

On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D ACC 99321136 ALL

ANSWER 1 MEDLINE  
AN 1999321136 MEDLINE  
DN 99321136 PubMed ID: 10395213  
TI D4 dopamine receptor-mediated phospholipid methylation and its implications for mental illnesses such as schizophrenia.  
AU Sharma A; Kramer M L; Wick P F; Liu D; Chari S; Shim S; Tan W; Ouellette D; Nagata M; DuRand C J; Kotb M; Deth R C  
CS Department of Pharmaceutical Sciences, Northeastern University, Boston,

Massachusetts 02115, USA.

SO MOLECULAR PSYCHIATRY, (1999 May) 4 (3) 235-46.  
Journal code: CUM; 9607835. ISSN: 1359-4184.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199909

ED Entered STN: 19990925  
Last Updated on STN: 20000303  
Entered Medline: 19990913

AB Previous studies have shown D2-like dopamine receptor involvement in the regulation of phospholipid methylation (PLM), while others have documented impaired methionine and folate metabolism in schizophrenia. Utilizing [14C]formate labeling in cultured neuroblastoma cell lines, we now show that D4 dopamine receptors (D4R) mediate the stimulatory effect of dopamine (DA) on PLM. The effect of DA was potently blocked by highly D4R-selective antagonists and stimulated by the D4R-selective agonist CP-226269. DA-stimulated PLM was dependent upon the activity of methionine cycle enzymes, but DA failed to increase PLM in [3H]methionine labeling studies, indicating that a methionine residue in the D4R might be involved in mediating PLM. A direct role for MET313, located on transmembrane helix No. 6 immediately adjacent to phospholipid headgroups, was further suggested from adenosylation, site-directed mutagenesis and GTP-binding results. A comparison of PLM in lymphocytes from schizophrenia patients vs control samples showed a four-fold lower activity in the schizophrenia group. These findings reveal a novel mechanism by which the D4R can regulate membrane composition. Abnormalities in D4R-mediated PLM may be important in psychiatric illnesses such as schizophrenia.

CT Check Tags: Animal; Human; Support, Non-U.S. Gov't  
Amino Acid Sequence  
Aminopyridines: PD, pharmacology  
Binding Sites  
CHO Cells  
Carbon Radioisotopes  
Clozapine: PD, pharmacology  
\*Dopamine Agonists: PD, pharmacology  
\*Dopamine Antagonists: PD, pharmacology  
Formates: ME, metabolism  
Guanosine 5'-O-(3-Thiotriphosphate): ME, metabolism  
Hamsters  
Methionine: ME, metabolism  
Mutagenesis, Site-Directed  
Neuroblastoma  
\*Phospholipids: ME, metabolism  
Phosphorylation  
Piperidines: PD, pharmacology  
Psychotic Disorders: ME, metabolism  
Pyridines: PD, pharmacology  
Pyrroles: PD, pharmacology  
Raclopride  
Receptors, Dopamine D2: AG, agonists  
Receptors, Dopamine D2: AI, antagonists & inhibitors  
\*Receptors, Dopamine D2: PH, physiology  
Recombinant Proteins: AG, agonists  
Recombinant Proteins: AI, antagonists & inhibitors  
Recombinant Proteins: ME, metabolism  
S-Adenosylmethionine: ME, metabolism  
Salicylamides: PD, pharmacology  
Sch-23390: PD, pharmacology  
Schizophrenia: ME, metabolism  
Transfection  
Tumor Cells, Cultured

RN 137750-34-6 (dopamine D4 receptor); 170856-57-2 (U 101958); 29908-03-0

(S-Adenosylmethionine); 37589-80-3 (Guanosine 5'-O-(3-Thiotriphosphate));  
5786-21-0 (Clozapine); 7005-18-7 (Methionine); 84225-95-6 (Raclopride);  
87075-17-0 (Sch-23390)  
CN 0 (Aminopyridines); 0 (Carbon Radioisotopes); 0 (Dopamine Agonists); 0  
(Dopamine Antagonists); 0 (Formates); 0 (L 745870); 0 (Phospholipids); 0  
(Piperidines); 0 (Pyridines); 0 (Pyrroles); 0 (Receptors, Dopamine D2); 0  
(Recombinant Proteins); 0 (Salicylamides)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED